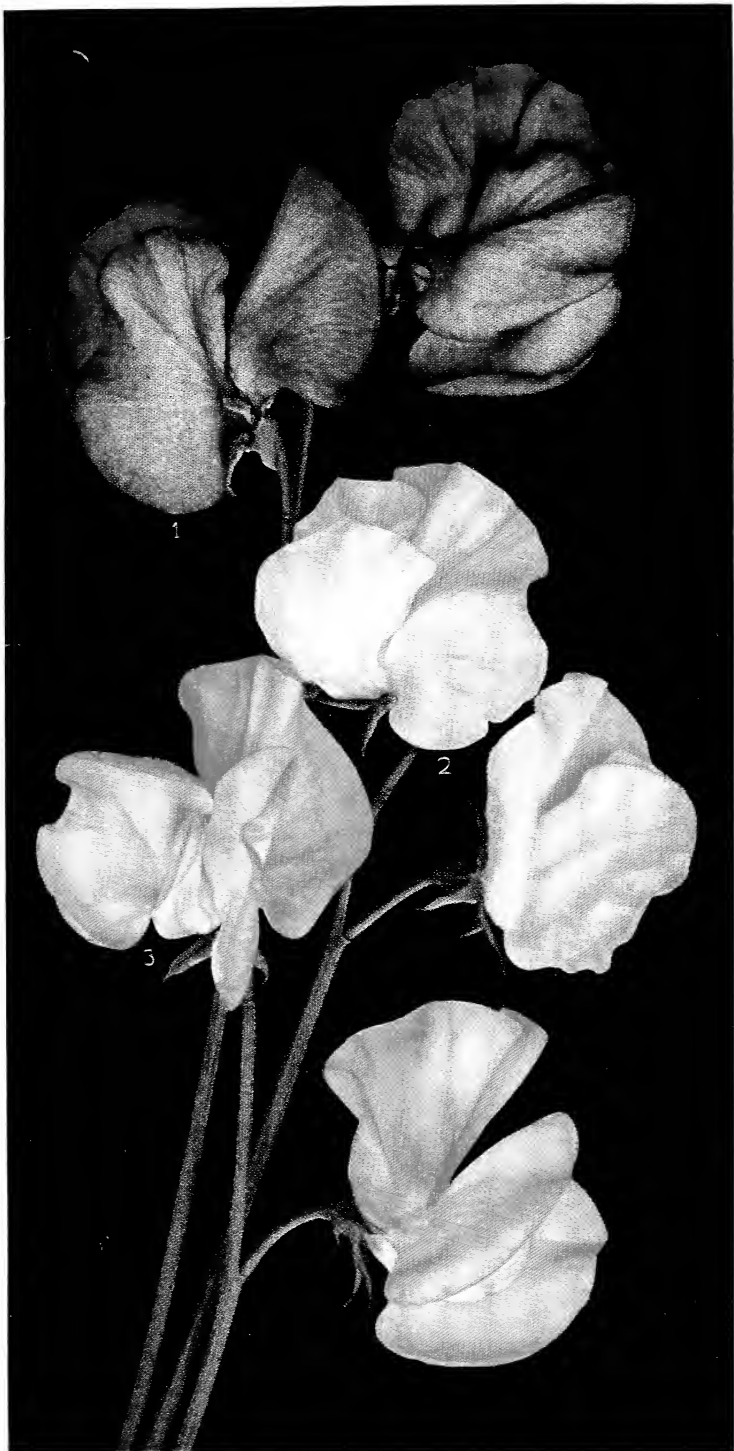


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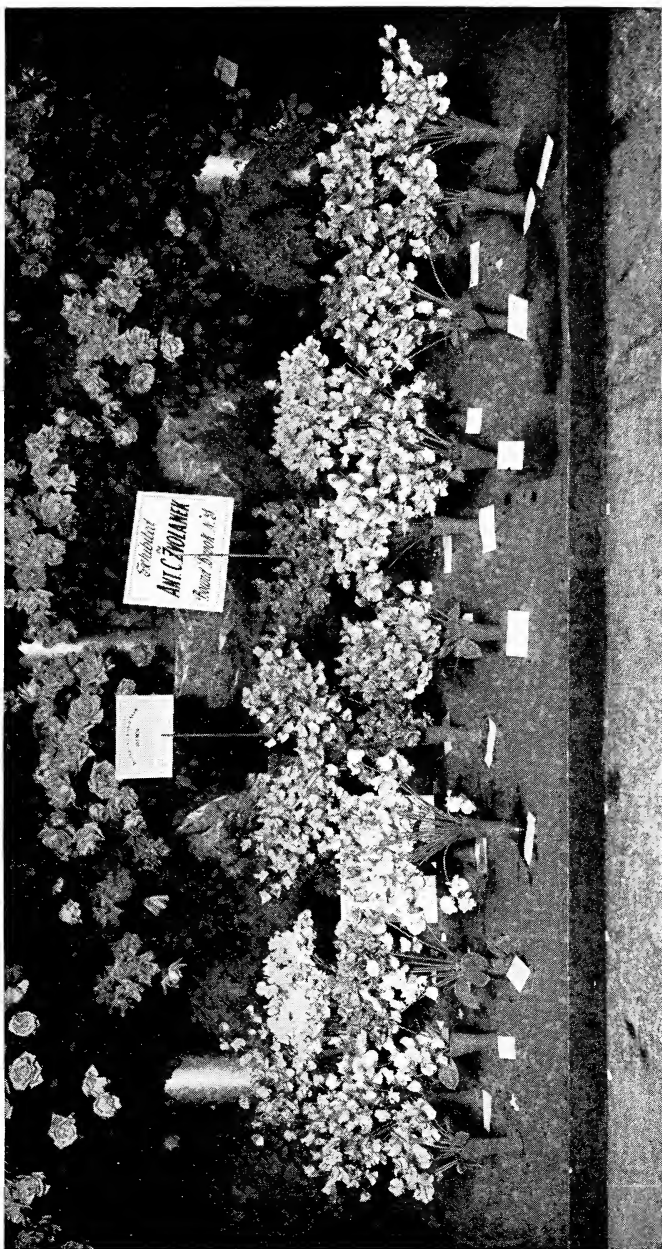
Do not assume content reflects current scientific knowledge, policies, or practices.





Zvolanek's Winter Flowering Orchid Sweet Peas

1. Mrs. M. M. Anderson
2. Apricot Orchid
3. Bohemian Girl



MY Exhibit of Winter Orchid Sweet Peas, during the International Flower Show, New York, 1913, which received the American Sweet Pea Society Gold Medal, S. A. F. Silver Medal, Horticultural Society of New York Silver Medal and six Certificates of Merit.



This Trade Mark must be on every packet of genuine Zvolanek's Winter Sweet Pea Seed. Do not accept any other.

To My Brother Florist Customers:

IN presenting this list of **Winter Flowering Sweet Peas**, it is my intention to let every **Commercial Grower** know what I have done and what I have to offer.

I need not waste any words on my original older varieties, such as the Christmas Pink, Florence Denzer, Watchung, Wallacea, Pink Beauty, Zvolanek Pink, etc., which are well known the world over, and many of which have stood a test of nearly twenty years.

I have spent most of my lifetime developing these splendid varieties, which have helped to show the flower-loving public what the Sweet Pea really is, and before I introduced them, the Sweet Pea was hardly known.

For years millions of square feet of glass have been devoted to them, and still the Sweet Pea flowers are scarce. They are the best paying crop for the commercial growers, and I, as the originator and father of them all, declare that most of the older Sweet Peas must soon make room for my new strain of

WINTER FLOWERING ORCHID SWEET PEAS

On this strain I have worked hard for the last ten years, crossing and re-crossing each variety, so that each is a perfect gem.

In 1910 I sent out several hundred packages of seed to my trusted growers (a few were not worthy of being trusted) all over the world. Most all were very enthusiastic in their reports.

In 1913 I introduced twelve named varieties to the commercial florists. If you have followed closely the market reports during the past winter months, you undoubtedly know that the prices for these flowers are as high as \$4.00 per hundred.

I predict that this new strain of Sweet Peas will revolutionize the entire cut flower market, and inside of five years 20 per cent of all space devoted to cut flowers will be used for the planting of this new Sweet Pea.

No wonder! Take their easy culture, cutting the flowers in sixty to ninety days after sowing, according to the weather; then take a well grown flower with an 18-inch long stem, with four or more beautifully formed and colored flowers two to three inches across. All flower-buying people will prefer these to the best grown Carnation. You can pick fifteen Sweet Peas to one Carnation, with only one-third the expense.

TESTIMONIALS

I have received many recommendations regarding the new Winter Flowering Orchid Sweet Pea from commercial florists in almost every part of the world. Here are a few which may speak for the rest:

Clifftondale, Mass., July 15, 1913.

My Dear Mr. Zvolanek: It gives me great pleasure to make the following report on your New Winter Flowering Orchid Sweet Pea, of which you sent me the seed last year. Those sent last August were immediately sown and were in full flower by Thanksgiving. Those sown the early part of December were in full flower for the National Flower Show, although grown very cool until six weeks before show time. I am thoroughly convinced that these new Spencers will take the lead with commercial growers and all others who grow under glass.

I made a late sowing outdoors in May. These came into flower in six weeks. I believe they will fill a long-felt want for those who desire early Sweet Peas outdoors. I find they flower a great deal more profusely than the old Christmas flowering type, while the flowers are equal to the Late Summer Spencers.

The greatest feature about these new Peas is their earliness to flower buyers. I found that all the colors sold easily.

In conclusion I would say that I know of no work done by any specialist in Horticulture that begins to compare with what you have done for the Sweet Pea.

Looking over the now long list, I can find but one or two varieties that I have not had the pleasure of trying out for you, years before they came into general cultivation. I feel sure the new race of early Spencers will place your name among those foremost in Horticulture.

May you keep up your good work.

Yours most sincerely,

WILLIAM SIM.

Orchard Park, N. Y., January 15, 1914.

Dear Sir: In reply to your letter of January 10th, regarding the winter flowering Orchid type of Sweet Peas, we would say that on the whole we are very much pleased with them.

We sowed ours on August 26th and have had them in bloom for about a month. The stem is good, and the form of the flower is superior to anything we have seen. Thus far, however, they have not proved themselves so prolific as the common kinds. Rows of Wallacea and Meteor sown on the same day are throwing double the quantity of blooms.

We have given them as near as possible the same treatment as the other varieties. The vines are in splendid shape, strong and vigorous. It may be that they need some special culture which we have not given them. We should be very pleased to hear the opinion of some other growers on this point.

Very truly yours,

JERRY BROOKINS & SON.

Remark: If the temperature is kept at 55° F. at night, instead of 50° F., as the Wallacea and Meteor require, the quantity of flowers will surpass any of the older varieties.—A. C. Z.

Mt. Clemens, Mich., January 13, 1914.

Dear Sir: The Winter Flowering Orchid Sweet Peas are in full swing just now. I am perfectly satisfied, as they are just as free as the old varieties, the size and amount of flowers to the stem surpassing them four times.

Hoping they will be lower in price next fall, as I will plant no others, I am,

Very respectfully yours,

ARTHUR VAN BEVERSLUYS.

This new variety of Sweet Peas can be had in bloom at any time of the year. They can be sown outdoors in the Central States and Canada in October or November, just before the heavy frosts begin, and will bloom in May. If sown out of doors in July, they will bloom in sixty days. In the Southern States and on the Pacific Coast, where the temperature does not go below 28° F., they can be sown in September for Winter cutting, without any covering.

I have written a book entitled, "Commercial Sweet Pea Culture," on how to grow Sweet Peas under glass and outdoors, how to pick, ship and keep them. No one should be without it. Price 50 cents.

I have originated over three hundred distinct Win-

ter Sweet Pea varieties. In fact, every Winter Sweet Pea variety in existence but one, is the result of hard work on my part, notwithstanding the fact that some of the so-called Sweet Pea Experts have renamed my work. I hope this will stop soon, as we now have sufficient laws to prevent any misrepresentation, the punishment being heavy fines and imprisonment.

All Sweet Peas offered here are raised under my personal supervision, and are being cared for by me all the time.

Each variety is tested before introducing it in our greenhouses at Bound Brook, N. J., in charge of my son, Chas. A. Zvolanek, and also by many other well known Sweet Pea growers of reputation. If they are found to possess no commercial merit, they are discarded or put in the mixture. It is my rule not to flood the market with any kind of novelties except those which are really improvements over the ones in existence, as 95 per cent of my trade is strictly with commercial growers.

At this time all our fields planted with Sweet Peas look very promising for a good average crop, and I hope to be able to fill all advance orders in full unless some misfortune, such as hot winds or late rains should damage them when they are in bloom.

As usual I have already large orders on hand, amounting to one-third of the expected crop. Do not wait until the last moment with your order, but send it in now and avoid disappointment.

A new crop of seed will be ready between July 15th and August 15th. All orders are shipped strictly in rotation.

You will require one pound of seed of the new Winter Orchid Sweet Pea to each house 100 x 20 feet, and three pounds of the older varieties.

TERMS

All orders amounting to less than \$5.00 must be paid for in advance. All orders paid for in advance will be mailed or expressed free of charge. Larger orders to parties of approved credit must be paid for within thirty days time. If not paid, interest of 6 per cent will be charged for any overdue amount. All bills not paid in three months will be sent to a collection agency, if some special agreement has not been made.

Send all orders, money orders, drafts or checks to my address at Lompoc, California, from where most of the seed will be shipped.

I thank my many friends and patrons for past favors, and respectfully solicit a continuance of the same.

Visitors always welcome.

ANT. C. ZVOLANEK,

Sweet Pea Ranch,
Lompoc, Cal., U. S. A.

ZVOLANEK'S WINTER FLOWERING ORCHID SWEET PEAS 1914 NOVELTIES

Zvolanek's Bridal Veil. Pure white. Cross between White Orchid and Watchung. One of the earliest. White seeded.

Zvolanek's Bohemian Girl. One of the finest pink selfs. The same shape as Mrs. A. A. Skach, but the color is three shades darker, with light scarlet blush. A new color in Sweet Peas.

- Zvolanek's Mrs. John M. Barker.** A new combination of colors. The standard is lilac with glistening dark rose, wings light blue on white ground. One of the largest and most beautifully formed flowers.
- Zvolanek's Mrs. M. M. Anderson.** Perfect Orchid shape. Standard maroon, wings navy blue. Cross between Le Marquis and Red Orchid.
- Zvolanek's Orange Orchid.** Standard orange, wings dark salmon pink, beautifully colored and formed. Cross between Late Orange Spencer and President Woodrow Wilson in fourth generation.
- Zvolanek's Apricot Orchid.** Mostly apricot selfs. Cross between Marion Beaver and Mrs. A. A. Skach.
- Zvolanek's Golden Orchid.** Light yellow. Cross between Watchung and White Orchid in third generation.

All of these novelties are perfect Orchid flowers. As most of them are crosses of the last four years, one or the other may not come true to color, as at this writing they are not in bloom. If some of them should not be fixed up to 85 per cent, I will withdraw such variety from this list.

Prices: 1 packet, \$1.00; ½ oz., \$3.00; 1 oz., \$5.00.

ZVOLANEK'S WINTER FLOWERING ORCHID SWEET PEAS OF 1913 INTRODUCTION

- Zvolanek's Pink and White Orchid.** One of the best commercial flowers. Christmas Pink has been grown for nearly twenty years, and these will be grown by our grand-children. This year's seed is well re-selected and over 90 per cent true.
- Zvolanek's White Orchid.** Pure white. Has stood the most critical test.
- Zvolanek's Orchid Beauty.** Dark Rose pink with orange blush. One of the best sellers.
- Zvolanek's Venus.** Standard slightly blush pink; in winter more white; towards spring a little darker.
- Zvolanek's Red Orchid.** Almost the same color and shape as Edward Spencer. Seed will be mostly true.
- Zvolanek's Lavender Orchid.** Lavender pink, very large. Has gained many friends in the commercial world.
- Zvolanek's Mrs. A. A. Skach.** Beautiful, clear, light pink. Much larger than the original late Countess Spencer and slightly darker. Good bloomer in winter, also out-of-doors in the hottest days.
- Zvolanek's Mrs. Sim Orchid.** Light salmon, very fine, pleasing color. Last year's seed was not well fixed. If this year's seed should not come 90 per cent true, I will not sell any, leaving it until fixed.

DOUBLE WINTER FLOWERING ORCHID SWEET PEAS

- Zvolanek's Mrs. Jos. Manda.** Light pink selfs.
- Zvolanek's Mrs. M. Spanolin.** White, black seeded.
- Zvolanek's Mrs. Woodrow Wilson.** Apple-blossom pink.
- Zvolanek's President Woodrow Wilson.** Dark rose pink.

These last four named varieties can be called Double-Flowering, as, if well grown, over 70 per cent of the flowers will come either with double standards or wings, or both. The flower on all four is of the same shape, very curly, stem extra long, with four or

more flowers. The foliage is strong, with heavy tendrils. They all like sunshine, and should be planted to bloom in February or later, as the elegant double flower will not develop so well during the cloudy December days as the other Orchid Flowering Sweet Peas. For out-door planting they are unsurpassed. They have stood 110° F. in full bloom, while other varieties have been entirely burned.

Prices for all the twelve foregoing varieties:

1 oz., \$2.00; 2 oz., \$3.50; 4 oz., \$5.00; 1 lb., \$15.00.

Zvolanek's Winter Orchid Flowering Mixture, consisting of about thirty distinct varieties.

Prices: 1 oz., \$1.00; 4 oz., \$2.50; 1 lb., \$7.00.

ZVOLANEK'S WINTER FLOWERING UNWIN OR IMPROVED GRANDIFLORA SWEET PEAS, 1913 INTRODUCTION

Zvolanek's Azure. Purest light blue. Very similar to the late flowering Mrs. Higginson.

Zvolanek's Improved Blue Bird. Very large, wavy bright blue.

Zvolanek's Lavender Nora. The same color as Wallacea, but twice as large. The best commercial color.

Zvolanek's Norma. Bright, clear pink, darker than the late Gladys Unwin, making many breaks of Orchid flowers of the same color.

Zvolanek's Orange Nora. Orange salmon, open flower, larger than the Orange Bird.

Zvolanek's Golden West. Light yellow.

Zvolanek's The Moor. Chocolate standard, wings blue.

Prices: 1 oz., \$.75; 2 oz., \$1.25; 4 oz., \$2.50; 1 lb., \$6.00.

SPECIAL OFFER, CASH WITH ORDER, \$15.00

To get sufficient cash on hand, when most needed, I offer the following collection of the best commercial Sweet Peas, which I recommend to be grown in the following proportion, which is sufficient seed to plant a house 100x20 feet.

4 oz. Pink and White Orchid, regular price..	\$5.00
2 oz. White Orchid, regular price.....	3.50
1 oz. Venus, regular price	2.00
1 oz. Mrs. M. Spanolin, regular price.....	2.00
2 oz. Mrs. A. A. Skach, regular price.....	3.50
2 oz. Orchid Beauty, regular price.....	3.50
1 oz. Lavender Orchid, regular price.....	2.00
4 oz. Lavender Nora, regular price.....	2.50
3 packets of three best 1914 novelties, regular price	3.00
1 copy "Commercial Sweet Pea Culture"....	.50
	\$27.50

Send \$15.00 by check, money order or draft, and we will send this \$27.50 collection to any Express or Post Office, free of charge, as soon as the seed is harvested.

OLDER WELL KNOWN WINTER SWEET PEAS

Zvolanek's Blue Jay. Bright blue selfs.

Zvolanek's Orange Bird. Orange rose. These two varieties have no equal in color. Best sellers in Winter and Summer.

Prices: 1 oz., 40c; 4 oz., \$1.50; 1 lb., \$5.00.

Zvolanek's Pink. Light pink, open flower, very large. One of the most popular improved Grandifloras for winter, also for outside.

Prices: 1 oz., 40c; 4 oz., \$1.00; 1 lb., \$3.00; 5 lbs., \$10.00.

Zvolanek's Pink Beauty. Well known dark rose pink.

Prices: 1 oz., 30c; 4 oz., 75c; 1 lb., \$2.00.

Zvolanek's Christmas Pink. Pink and white. Nearly twenty years in commerce.

Zvolanek's Pink Watchung. The same color as Christmas Pink, only earlier and not so high.

Zvolanek's Watchung. Pure white. The earliest white.

Zvolanek's Florence Denzer. White. The florist's favorite.

Zvolanek's Wallacea. Best lavender.

Zvolanek's Mrs. Wm. Sim. Light salmon.

Prices: 1 oz., 20c; 4 oz., 50c; 1 lb., \$1.50; 5 lbs., \$6.25; 10 lbs., \$10.00.

These varieties have been grown lately on an extensive scale in winter and also outdoors, and the flowers have always been sold for the highest prices.

Zvolanek's Mrs. W. W. Smalley. Soft pink salmon.

Zvolanek's Mrs. Charles H. Totty. Sky blue.

Zvolanek's Governor Fort. Dark salmon pink.

Zvolanek's Greenbrook. White, lavender blush.

Zvolanek's Le Marquis. Navy blue.

All these are familiar to the florist trade.

Prices: 1 oz., 30c; 4 oz., 75c; 1 lb., \$2.00.

Zvolanek's Improved Enchantress. Pink selfs.

Zvolanek's Mrs. A. Farenwald Hybrids. Mostly pink and dark rose.

Zvolanek's Mrs. J. Wheeler Hybrids. Mostly salmon and rose.

Zvolanek's Mrs. Geo. Lewis. White.

Zvolanek's Miss Josie Reilly. Lilac.

Zvolanek's Jack Hunter. Yellow salmon.

Zvolanek's Christmas Meteor. Red.

Price: 1 oz., 25c.

Zvolanek's Winter Flowering Mixture. This consists of about one hundred and fifty distinct varieties, only a very few variegated, maroon or reds. The majority are light pink, pink, rose, white, lavender, bright blue and orange. It is kept under full control. It contains Grandifloras, Unwins and many Orchid flowers. The majority are novelties, never having been introduced.

Prices: 1 oz., 25c; 4 oz., 75c; 1 lb., \$2.00.

LATE OR SUMMER FLOWERING SWEET PEAS

In this type I have over fifty varieties to offer, but for my florist trade I recommend only the following:

Novelties of My Own Raising

Sky Blue Spencer. One of the largest and clearest lavenders. No better shape or color in the whole Spencer family. Seedling from Marion Beaver.

Prices: ½ oz., \$2.50; 1 oz., \$4.00.

Burnless Orange. Seedling from M. Beaver, of the same shape, but two shades darker orange, and most perfectly fixed. Does not burn even under the hottest California sun. Perfect Spencer.

Prices: 1 oz., \$1.00; 4 oz., \$3.00; 1 lb., \$10.00.

Older varieties, all re-selected by me from the original Countess Spencer Hybrids, as I got them ten years ago.

Pink Spencer. Darker than the original Countess Spencer.

White Spencer. Over 90 per cent true. Must not be mistaken for the Burpee White Spencer, which seldom comes over 25 per cent true.

Rose Pink Spencer. Dark rose pink.

Lavender Spencer. Of the Flora Norton color.

Lilac Spencer. Similar to Asta Ohn in color, but true.

Orange Spencer. Fiery orange, similar to the Orange King.

Red Spencer. Very bright red, brighter and larger than the King Edward Spencer.

Blanche Ferry Spencer. Pink and white, very well fixed.

Prices: 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$2.75.

SPENCERS AND UNWINS ORIGINATED IN ENGLAND

Doublex Spencer (Dobbie). Light pink with salmon blush.

Elfrida Pearson (Pearson). Light pink, very large flower.

Nubian (House). Dark blue, very large and beautifully formed Spencer flower.

Prices: 1 oz., 50c; 4 oz., \$1.50; 1 lb., \$3.50.

Nora Unwin (Unwin). White.

Gladys Unwin. Soft pink.

Frank Dolby. Lavender.

Prices: 1 oz., 20c; 4 oz., 50c; 1 lb., \$1.25.

Nettie Jenkins. This is a clearer lavender than the Frank Dolby, almost double the size and can stand more hot weather without turning streaky, as most of the other lavenders usually do. It is a first-class commercial variety for outdoors.

Prices: 1 oz., 30c; 4 oz., \$1.00; 1 lb., \$2.50.

Ask for special prices in lots of 25 pounds or more on any Sweet Pea variety. All my Spencers are the best re-selected in the United States, if not in the world, and should not be compared with others which seldom consist of over 25 per cent true Spencers.

MIGNONETTE SEED FOR INDOORS AND FOR THE OPEN

This strain I have carefully re-selected during the past sixteen years, and is grown by almost every florist with the best satisfaction.

CANDYTUFT

I have only the largest flowering varieties in three colors.

White, Flesh Pink and Crimson.

Price: 1 oz., 25c; 1 lb., \$2.50.

STOCKS

This is a specialty with me. I have only three varieties, but these are all a florist needs. This stock seed is not raised as usually advertised, in pots in Germany, but all in California in open fields between the Sweet Peas. My last year's seed was 90 per cent double, but this year it is hardly 5 per cent single, and I am afraid that I will have very little seed to supply my steady customers with.

Queen Alexandra. Rose pink.

Princess Alice. White.

Beauty of Niza. Light pink salmon.

Prices: $\frac{1}{2}$ oz., \$1.50; 1 oz., \$2.75.

Nicoteen for Spraying.

Aphis Punk Paper for fumigating at manufacturer's prices.

SHOULD THERE BE A PARTIAL FAILURE IN THE CROP,
PRICES ARE SUBJECT TO CHANGE AT ANY TIME.







Zvolanek's Winter Flowering Orchid Sweet Peas

4. Mrs. A. A. Skach
5. Bridal Veil
6. Improved Red Orchid